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APPLICANT : COSMO OIL CO LTD;

INVENTOR : OKI KATSUMI;

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TITLE : PREPARATION OF HYDRODESULFURIZING CATALYST COMPOSITION FOR HYDROCARBON OIL

ABSTRACT : PURPOSE: To obtain a catalyst having a large amount of a hydrodesulfurizing active metal supported thereon in a highly dispersed state and having high initial activity and long life by precipitating an alkoxide of every kind as a starting substance and supporting an active component on said substance.

CONSTITUTION: An aluminum alkoxide or a substance containing the same is dissolved in an org. solvent such as methanol or acetone and water is subsequently mixed with the obtained solution to generate a precipitate which is, in turn, dried and baked to form alumina or alumina-containing carrier. A metal of the Group 6B of the Periodic Table such as chromium or molybdenum and a metal of the Group 8 such as iron or cobalt are supported on the carrier to be dried and baked. Since the obtained carrier has a hydrodesulfurizing active metal extremely effectively dispersed therein, initial activity is high and the state thereof is held over a long period of time of reaction.

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